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MEMORANDUM

DATE: December 11, 1968--  
TO: Solid Waste File  
FROM: Mr. Robert R. Westerman  
SUBJECT: New Castle County Landfill - Tybouts Corner - Water Pollution

On December 9, 1968, a meeting was held, at the University of Delaware, to consider the potential for groundwater contamination at the proposed Tybouts Corner Landfill site. Those present included:

- a. Mr. Woodruff - State Geologist, University of Delaware
- b. Mr. Varrins - University of Delaware, Dept. of Geology
- c. Mr. Cahalan - New Castle County Engineer
- d. Mr. Uldis Karins - Engineer, New Castle County
- e. Mr. Wilbur Aihat - Soil Conservation Service, New Castle County
- f. Mr. Robert R. Westerman - Director, Division of Solid Waste, State Board of Health
- g. Mr. Donald K. Barneson - Chief, Bureau of Environmental Health, State Board of Health

The specific purpose of the meeting was to clarify the situation regarding the groundwater level fluctuation in the area of the proposed landfill. Mr. Varrins made the following observations which were the basic output of the meeting.

1. "I would be surprised if the groundwater in the area of the proposed site rises one (1) foot as a result of the landfill." (The reference groundwater level utilized was that shown by a series of borings taken by the New Castle County Department of Public Works.

2. Pidgeon Run is the natural discharge point for ground and surface water in the area of the proposed landfill. Some amount of leachate from the fill will reach Pidgeon Run through the ground pathway.

3. If any serious contamination of water resources at the proposed site occurs, it can be found well in time to take adequate remedial measures.

Based on Mr. Varrins observations, we have allowed that two feet of clearance between refuse deposits and the groundwater level at the proposed site (as shown by NCC borings) is adequate until further information indicates any significant change in groundwater levels.

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